

IN THE CLAIMS

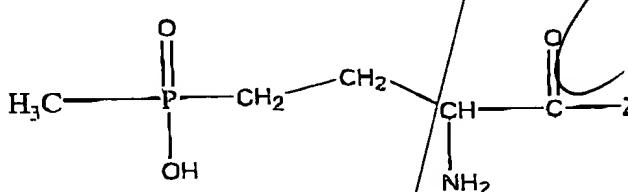
C Cancel the claims, without prejudice or the intention of creating estoppel, and substitute.

--16. A method for controlling harmful plants in maize crops in an area under cultivation which comprises applying an effective amount of a herbicidal combination to the harmful plants, seeds of the maize crops or the area or the area under cultivation, wherein said herbicidal combination comprises a synergistically effective amount of

(A) one or more broad-spectrum herbicides selected from the group consisting

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of

(A1) compounds of the formula (A1),

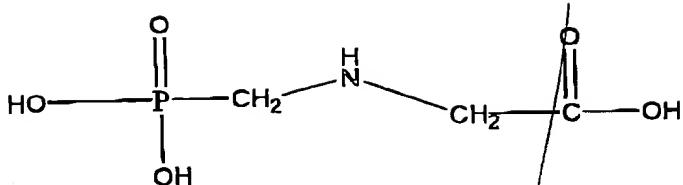


(A1)

in which Z is a radical of the formula $-\text{OH}$ or a peptide radical of the formula $-\text{NHCH}(\text{CH}_3)\text{CONHCH}(\text{CH}_3)\text{COOH}$ or $-\text{NHCH}(\text{CH}_3)\text{CONHCH}[\text{CH}_2\text{CH}(\text{CH}_3)_2]\text{COOH}$, and their esters and salts and other phosphinothrin derivatives,

(A2) compounds of the formula (A2) and their esters and salts,

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(A2)

- (A3) imidazolinones and salts thereof,
- (A4) herbicidal azoles from the protoporphyrinogen-oxidase (PPO-inhibitors) and the PPO-inhibitor WC9717
- (A5) cyclohexanedione oxime herbicides and,
- (A6) heteroaryloxyphenoxypropionic acid herbicides,

and

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- (B) one or more herbicides selected from the group consisting of
 - (B1) herbicides selected from the group consisting of cyanazine, atrazine, terbutylazine, acetoxychlor, metolachlor, alachlor, terbutryn, benoxacor, nicosulfuron, rimsulfuron, primisulfuron, dimethenamid, fluthiamide, sulcotrione, simazine, mesotrione and pentoxazamid;
 - (B2) herbicides selected from the group consisting of pendimethalin, pyridate, iodosulfuron, metosulfuron, isoxaflutole, mtribuzin, cloransulam, flumetsulam, linuron, florasulam and isoxachlortole; and
 - (B3) herbicides selected from the group consisting of bromoxynil, dicamba, 2,4-D, clopyralid, prosulfuron, thifensulfuron, carfentrazone, tritosulfuron (Lab271272), MCPA, halosulfuron, diflufenzoxyr and sulfosulfuron

or, where applicable, ester or salts of these herbicides

and, optionally one or more safeners

wherein the maize crops are tolerant to the herbicides (A) and (B) which form a constituent of the combination, with the exception of the method where the herbicide combination comprises the combination of

- (a) (A3) imidazolinones and (B) dicamba, bromoxynil, metolachlor, pyridate, primisulfuron, prosulfuron, nicosulfuron, acetochlor or pendimethalin
- (b) (B) iodosulfuron and (A1) glufosinate, (A2) glyphosate or (A3.3) imazamethabenz,
- (c) (B) metolachlor and (A1) glufosinate, (A2) glyphosate or (A.5) sethoxydim.

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17. The method as claimed in claim 16, wherein the (A) herbicides are selected from the group consisting of

- (A1.1) glufosinate acid
- (A1.2) glufosinate-monoammonium salt,
- (A1.3) L-glufosinate
- (A1.4) L-glufosinate monoammonium salt,
- (A1.5) bialaphos (or bilanafos) or its sodium salt.
- (A2.1) glyphosate acid,
- (A2.2) glyphosate-monoisopropylammonium salt,
- (A2.3) glyphosate-sodium salt,
- (A2.4) sulfosate
- (A3.1) imazapyr and its salts and esters,
- (A3.2) imazethapyr and its salts and esters,

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- (A3.3) imazamethabenz and its salts and esters,
- (A3.4) imazamethabenz-methyl,
- (A3.5) imazamox and its salts and esters,
- (A3.6) imazaquin and its salts and esters,
- (A3.7) imazapic (AC 263,222) and its salts and esters,
- (A4.1) pyraflufen and its esters,
- (A4.2) carfentrazone and its esters,
- (A4.3) oxadiargyl
- (A4.4) sulfentrazone
- (A4.5) WC9717
- (A5.1) sethoxydim
- (A5.2) cycloxydim
- (A5.3) clethodim,
- (A5.4) aclefoxidim, and
- (A5.5) tralkoxydim.

18. The method as claimed in claim 16, wherein the herbicide (A) is glufosinate-ammonium.

19. The method as claimed in claim 16, wherein the herbicide (A) is glyphosate-isopropylammonium.

20. The method as claimed in claim 16, wherein herbicide (B) is one or more herbicides selected from the group consisting of

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(B1) herbicides selected from the group consisting of cyanazine, atrazin, terbutylazine, acetochlor, metolachlor, alachlor, terbutryn, benoxacor, nicosulfuron, rimsulfuron, primisulfuron, dimethenamid, fluthiamide, sulcotrione, simazine, mesotrione and pentoxamid.

(B2) herbicides selected from the group consisting of pendimethalin, pyridate, iodosulfuron, metosulam, isoxaflutole, metribuzin, cloransulam, flumetsulam, linuron, florasulam and isoxachlortole; and

(B3) herbicides selected from the group consisting of bromoxynil, dicamba, 2,4-D, clopyralid, prosulfuron, thifensulfuron, carfentrazone, tritosulfuron (Lab271272), MCPA, halosulfuron, diflufenzopyr and sulfosulfuron.

21. The method as claimed in claim 16, wherein the herbicide combination comprises (A) glufosinate-ammonium and (B) mesotrione.

22. The method as claimed in claim 16 wherein the herbicidal combination comprises glyphosate-ammonium and a herbicide selected from the group consisting of dicamba, atrazine, sulcotrione, bromoxynil, clopyralid, isoxaflutole, pendimethalin, alachlor, thifensulfuron-methyl, flumetsulam, tritosulfuron and fluthiamide.

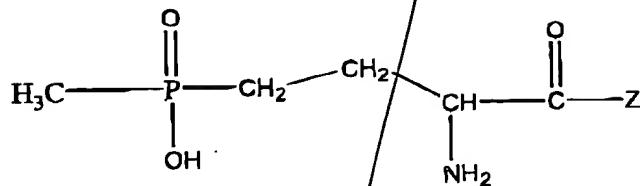
23. The method as claimed in claim 16, wherein the herbicidal combination comprises glyphosate-isopropylamine and one or more herbicides selected from the group consisting of 2,4-D, MCPA, pyridate and dimethenamid.

24. A herbicidal composition comprising a herbicidal combination comprising:

(A) one or more broad spectrum herbicides selected from the group consisting of:

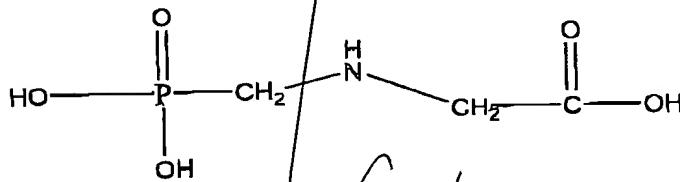
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(A1) compounds of the formula (A1),



in which Z is a radical of the formula —OH or a peptide radical of the formula —NHCH(CH₃)CONHCH(CH₃)COOH or —NHCH(CH₃)CONHCH[CH₂CH(CH₃)₂]COOH, and their esters and salts and other phosphinothrinicin derivatives,

(A2) compounds of the formula (A2) and their esters and salts,



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- (A3) imidazolinones and salts thereof,
- (A4) herbicidal azoles from the protoporphyrinogen-oxidase (PPO-inhibitors) and the PPO-inhibitor WC9717
- (A5) cyclohexanedione oxime herbicides and,
- (A6) heteroaryloxyphenoxypropionic acid herbicides
- (B) one or more herbicides selected from the group consisting of:
- (B1) herbicides selected from the group consisting of cyanazine, atrazine, terbutylazine, acetochlor, metolachlor, alachlor, terbutryn, benoxacor,

nicosulfuron, rimsulfuron, primisulfuron, dimethenamid, fluthiamide, sulcotrione, simazine, mesotrione and pentoxazamid;

(B2) herbicides selected from the group consisting of pendimethalin, pyriproxyfen, iodosulfuron, metosulam, isoxaflutole, metribuzin, cloransulam, flumetsulam, linuron, florasulam and isoxachlortole; and

(B3) herbicides selected from the group consisting of bromoxynil, dicamba, 2,4-D, clopyralid, prosulfuron, thifensulfuron, carfentrazone, tritosulfuron (Lab271272), MCPA, halosulfuron, diflusenzopyr and sulfosulfuron

with the exception of herbicidal combinations which comprise

(a) (A3) imidazolinones and (B) dicamba, bromoxynil, metolachlor, pyriproxyfen, primisulfuron, prosulfuron, nicosulfuron, acetochlor or pendimethalin

(b) (B) iodosulfuron and (A1) glufosinate, (A2) glyphosate or (A3.3) imazamethabenz.

(c) (B) metolachlor and (A1) glufosinate, (A2) glyphosate or (A.5) sethoxydim.

and, optionally, one or more adjuvants and/or formulation auxiliaries.

25. The herbicidal composition as claimed in claim 24, wherein the (A)

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herbicides are selected from the group consisting of

(A1.1) glufosinate acid

(A1.2) glufosinate-monoammonium salt,

(A1.3) L-glufosinate,

(A1.4) L-glufosinate monoammonium salt,

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(A1.5) bialaphos (or bilanafos) or its sodium salt,
(A2.1) glyphosate-monoisopropylammonium salt,
(A2.2) glyphosate-monoisopropylammonium salt,
(A2.3) glyphosate-sodium salt,
(A2.4) sulfosate,
(A3.1) imazapyr and its salts and esters,
(A3.2) imazethapyr and its salts and esters,
(A3.3) imazamethabenz and its salts and esters,
(A3.4) imazamethabenz-methyl,
(A3.5) imazamox and its salts and esters,
(A3.6) imazaquin and its salts and esters,
(A3.7) imazapic (AC 263,222) and its salts and esters,
(A4.1) pyraflufen and its esters, such as pyraflufen-ethyl,
(A4.2) carfentrazone and its esters, such as carfentrazone-ethyl,
(A4.3) oxadiargyl
(A4.4) sulfentrazone,
(A4.5) WC9717,
(A5.1) sethoxydim
(A5.2) cycloxydim
(A5.3) clethodim,
(A5.4) acleoxidim, and
(A5.5) tralkoxydim.

26. The herbicidal composition as claimed in claim 25, wherein the herbicide

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(A) in the herbicide combination is glufosinate-ammonium.

27. The herbicidal composition as claimed in claim 25, wherein the herbicide

(A) in the herbicidal combination is glyphosate-isopropylammonium.

28. The herbicidal composition as claimed in claim 25, wherein the herbicidal combination comprises (A) glufosinate-ammonium and (B) mesotrione.

29. The herbicidal composition as claimed in claim 25, wherein the herbicidal combination further comprises other crop protection active ingredients.

30. The herbicidal composition as claimed in claim 25, wherein the herbicidal combination contains adjuvants and formulation auxiliaries.

31. The herbicidal composition as claimed in claim 26, wherein the herbicidal combination further comprises other crop protection active ingredients.

32. The herbicidal composition as claimed in claim 26, wherein the herbicidal combination comprises adjuvants and formulation auxiliaries.

33. The herbicidal composition as claimed in claim 27, wherein the herbicidal combination comprises other crop protection active ingredients.

34. The herbicidal composition as claimed in claim 27, wherein the herbicidal combination contains adjuvants and formulation auxiliaries.

35. The herbicidal composition as claimed in claim 28, wherein herbicidal combination further comprises other crop protection active ingredients.

36. The herbicidal composition as claimed in claim 28, wherein the herbicidal combination comprises with adjuvants and formulation auxiliaries.

37. The herbicidal composition as claimed in claim 24, wherein the herbicidal

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